IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
ATTY. DOCKET NO.

In re Patent Application of Simon Lemaire, et al.

Serial No. Group Art Unit:

Filed: Examiner:

For: Histogranin-Like Peptides And Non-Peptides, Processes For Their Preparation And Uses Thereof

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is being filed in the manner prescribed by 37 CFR 1.97(b) - (d) to satisfy the duty under 37 CFR 1.56 to disclose to the Office information, known to individuals associated with the filing and prosecution of the subject application, which is material to the examination of the application.

In accordance with 37 CFR 1.97(g) and (h), this statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b).

In compliance with 37 CFR 1.98(a)(1), a list of all patents, publications or other information submitted for consideration by the Office is hereby provided by way of the attached Form PTO 1449.

In compliance with 37 CFR 1.98(a)(2), also enclosed is a legible copy of:

i) each United States and foreign patent;

ii) each publication or that portion which caused it to be listed; and

iii) all other information or that portion which caused it to be listed, excluding any copies of a United States patent application.

It is respectfully requested that the information be expressly considered by the Examiner and that the references be made of record and appear among the "References Cited" on any patent to issue therefrom.

The Patent Office is hereby authorized to charge any deficiency, or credit any overpayment in fees to Deposit Account Number 23-0920

Respectfully submitted,

Dated: 2/07/02

Reg. No.

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Encls.: Form PTO-1449
All references listed on Form PTO-1449

Form PTO-1449 (Modified)	Atty. Docket No.	Serial No.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Simon Lemaire, et al.	
	Filing Date	Group

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FIL.DATE IF APPROPRIATE
	AA	5	1	6	9	8	3	3	12/8/92	Hansen, Jr., et al.	514	17	
	AB												

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
													YES	NO
	AC	2	2	1	9	4	3	7	4/24/99	Canada	C07K	5/103		
	AD													

OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)

	AE	Lemaire, et al.	"Isolation and characterization of histogranin, a natural peptide with NMDA receptor antagonist activity." Eur. J. Pharmacol. - Molec. Pharmacol. Sec. (1993) 245:247-256.
	AF	Boarder, et al.	"Met-enkephalin [Arg^6,Phe^7] immunoreactivity in bovine caudate and bovine adrenal medulla." J. Neurochem. (1982) 39(1):149-154.
	AG	Liston, et al.	"Processing of proenkephalin is tissue-specific." Science. (August 17, 1984) 734-737.
	AH	Lemaire, et al.	"Central and peripheral non-opioid analgesic activity of histogranin and related peptides." Soc. Neurosci. (1997) 23:674, abstract no. 267.13.
	AI	Ruan, et al.	"Non-opioid antinociceptive effects of supraspinal histogranin and related peptides: possible involvement of central dopamine D_2 receptor." Pharmacol. Biochem Behav. (2000) 67:83-91.
	AJ	Shukla, et al	N-methyl-D-aspartate receptor antagonist activity and phencyclidine-like behavioral effects of the pentadecapeptide, [Ser^1]histogranin." Pharmacol. Biochem Behav. (1995) 50(1):49-54
	AK	Siegan, et al.	"A natural peptide with NMDA inhibitory activity reduces tonic pain in the formalin model." NeuroReport. (1997) 8:1379-1381.
	AL	Siegan, et al.	"Suppression of neuropathic pain by a naturally-derived peptide with NMDA antagonist activity." Brain Research. (1997) 755:331-334.
	AM	Hama, et al.	"NMDA-induced spinal hypersensitivity is reduced by naturally derived peptidee analog [Ser^1]histogranin." Pharmacol. Biochem. Behav. (1999) 62(1):67-74.
	AN	Rogers, et al.	"Characterization of [^{125}I][Ser^1]histograninh binding sites in rat brain." J. Pharmacol. Exper. Ther. (1993) 267(1):350-356.
	AO	Lemaire, et al.	"Characterization of histogranin receptors in human peripheral blood lymphocytes." Biochem. Biophys. Res. Comm. (1993) 194(3):1323-1329.
	AP	Nishino, et al.	"Cyclo(-arginyl-sarcosyl-aspartyl-phenylglycyl-)$_2$. Simple synthesis of an RGD-related peptide with inhibitory activity for platelet aggregation." J. Chem Soc., Perkin Trans. I. (1996) 939-946.
	AQ	Osapay, et al.	"Synthesis of tyrocidine A: Use of oxime resin for peptide chain assembly and cyclization." Tetrahedron Letters. (1990) 31(43):6121-6124.
	AR	Kaiser, et al.	"Color test for detection of free terminal amino groups in the solid-phase synthesis of peptides." Anal. Biochem. (1970) 34:595-598.
	AS	Matsueda, et al.	"A p-methylbenzhydrylamine resin for improved solid-phase synthesis of peptide amines." Peptides. (1981) 2:45-50.
	AT	Lee, et al.	"Solid phase synthesis of 3,4-disubstituted-7-carbamoyl-1,2,3,4-tetrahydroquinoxalin-2-ones." J. Org. Chem. (1997) 62:3874-3879.
	AU	Backes, et al.	"Activation method to prepare a highly reactive acylsulfonamide "safet-catch" linker for solid-phase synthesis." J. Am. Chem. Soc. (1996) 118:3055-3056.
	AV	Lemaire, et al.	"Synthesis and biological activity of dynorphin-(1-13) and analogs substituted in positions 8 and 10." Int. J. Peptide Protein Res. (1986) 27:300-305.
	AW	Shukla, et al.	"Selective involvement of kappa opioid and phencyclidie receptors in the analgesic motor effects of dynorphin-A-(1-13)-Tyr-Leu-Phe-Asn-Gly-Pro." Brain Research. (1992) 591:176-180.
	AX	Hayashi, et al.	"The type of analgesic-receptor interaction involved in certain analgesic assays." Eur. J. Pharmacol. (1971) 16:63-66.
	AY	D'Amour, et al.	"A method for determining loss of pain sensation." J. Pharmacol. Exp. Ther. (1941) 72:74-79.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	BA						
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	BD						
	BE						
	BF						
	BG						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	BH							
	BI							
	BJ							
	BK							

OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)

	BL	Verma, et al.	"Role of D1/D2 dopmaine and N-methyl-D-aspartate (NMDA) receptors in morphine tolerance and dependence in mice." Eur. Neuropsychopharmacol. (June, 1995) 5(2):81-87. Pub. Med. Abstract PMID 7549459
	BM	Sufka, et al.	"Stimulus properties and antinociceptive effects of selective bradykinin B_1 and B_2 receptor anatagonists in rats." Pain. (1996) 66:99-103.
	BN	Lemaire, Irma	"Characterization of the bronchoalveolar cellular response in experimental asbestosis." Am. Rev. Respir. Dis. (1985) 131:144-149.
	BO		
	BP		

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